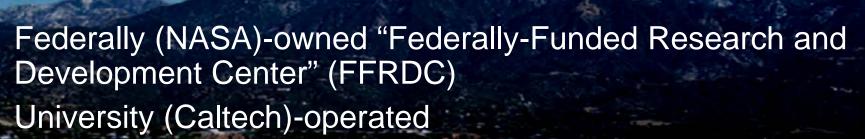


JPL is part of NASA and Caltech



\$1.7 billion business base

5,000 employees

177 acres

139 buildings

673,000 net square feet of office space

906,000 net square feet of non-office space (e.g., labs)

Fifty-two years of exploration





Explore space for the benefit of humankind by developing robotic space missions to:

- Explore our own and neighboring planetary systems
- Search for life beyond the Earth's confines
- Further our understanding of the origins and evolution of the universe and the laws that govern it
- Make critical measurements to understand our home planet and help protect its environment

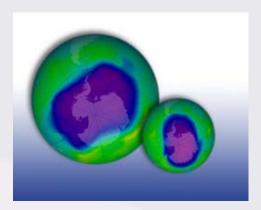
JPL's Mission (Cont.)

- Enable a virtual presence throughout the solar system using the Deep Space Network and evolving it to the Interplanetary Network of the future
- Apply JPL's unique skills to address problems of national significance
- Inspire the next generation of explorers

Success is only achieved by developing and applying increased advanced technology to future missions in key areas

Strategic Technology Directions

Earth Sciences



Research on the atmosphere, land, and oceans on our home planet to enhance predictions of future changes by use of laboratory studies, aircraft, balloon, ground and space-based observations, theoretical modeling, and data analysis.

Research to enhance our understanding of the planets, satellites and smaller bodies in the solar system by studying the atmospheres, surfaces and interiors of planets by use of laboratory studies, astronomical facilities throughout the world, and from spacecraft and landers.

Planetary Sciences



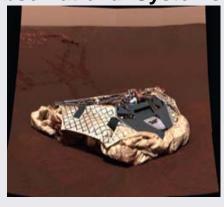
Strategic Technology Directions

Astrophysics & Space Science



Research on physics and origins of our galaxy focuses on developing new techniques to observe gravitational waves, observing magnetic fields and plasmas, theoretical modeling of star and planet formation.

Exploration & Observational Systems



Software & Computing Systems



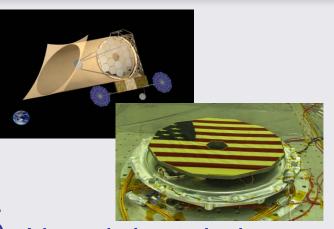
Develop and apply advanced technologies which will assist future missions meet science objectives and further the exploration of the universe.

Dedication to developing mission software and computing systems and deploying them quickly and uniformly which will assist in science data analysis, support the creation of artificial intelligence, and simulate unique mission concepts.

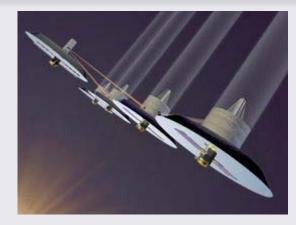
Innovation, and advanced technology development, enable exploration, and support the economy



All-Terrain Hex-Limbed Extraterrestrial Explorer (ATHLETE)



Advanced mirror technology



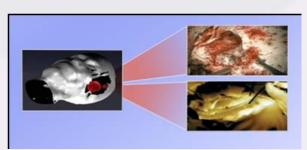
Formation flying



Nano-laminate optics



Remote surgery imaging



Breast cancer diagnosis

Commercial applications based on infrared and quantum well infrared photodetector (QWIP) technology

In the past decade, JPL received 40% of patents and 48% of Space Act awards received by NASA

2nd Annual NASA/JPL Small Business Symposium and Awards Ceremony

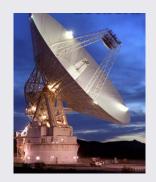
Industry provides enabling capabilities for Space Science missions



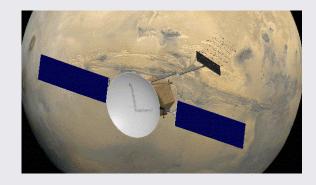
End-to-end system engineering



Autonomous mobility



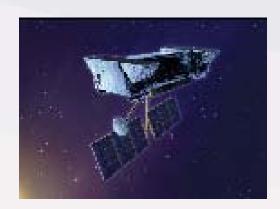
Deep space communications



Deep space navigation and highly stable clocks



Extreme precision formation flying for science and rendezvous

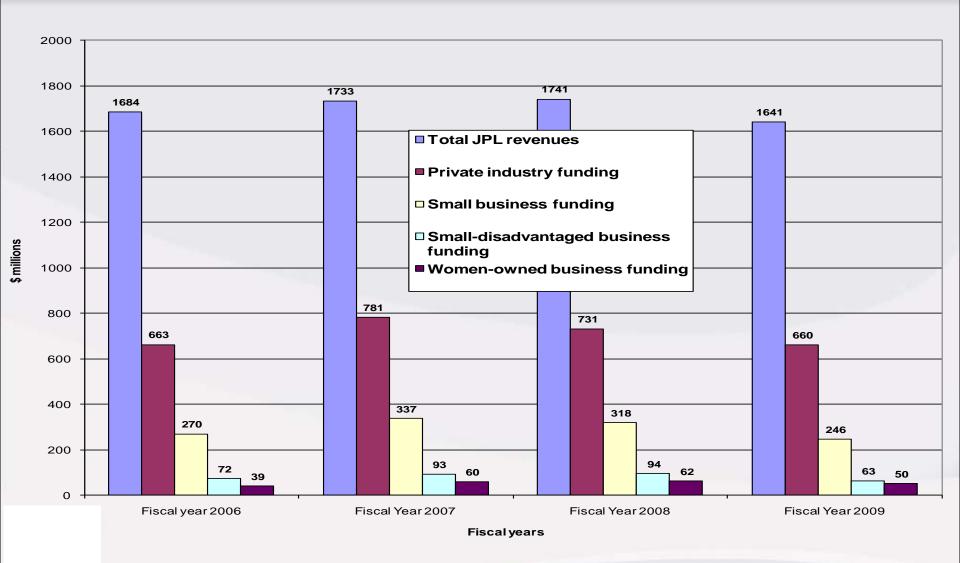


High precision spaceborne systems in optical to sub-millimeter, including interferometry



Active sensors for mapping and positioning (SAR, altimeters, GPS)

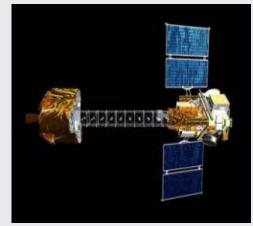
JPL industry and small business funding



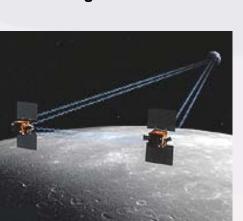
Looking ahead: Missions to be launched in the next 24 months



WISE December 2009



NuSTAR August 2011



GRAIL September 2011



Juno August 2011



Mars Science Laboratory October 2011

Aquarius December 2010

2nd Annual NASA/JPL Small Business Symposium and Awards Ceremony

Getting to know the NASA and JPL families better

Find out more about NASA and JPL, and their wide range of missions and discoveries

Jet Propulsion Laboratory http://www.jpl.nasa.gov

JPL Acquisition Division
http://acquisition.jpl.nasa.gov/default.htm

JPL Business Opportunities Office http://acquisition.jpl.nasa.gov/boo

NASA http://www.nasa.gov

Small Business Administration http://www.sbaonline.sba.gov

JPL Business Opportunities Office

The JPL Business Opportunities Office is responsible for:

- Small Business Programs
- Small Disadvantaged Business Programs
- Woman-Owned Business Programs
- Historically Black Colleges and Universities Programs
- HUBZone Businesses Programs

JPL uses the federal government's Central Contractor Registration (CCR) to identify small businesses

http://www.ccr.gov/SmallBusinesses.aspx

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